

## Technical Datasheet

**Ecolin® AF****Reinforcing Filler**

### Product Characteristics:

- A bio-based, renewable product derived from Cotton Stalk and Bagasse.
- Rich in aromatic and phenolic structures.
- Capable of interacting with rubber matrices via hydrogen bonding and covalent bonding.
- Enables carbon footprint reduction and supports green material innovation in the Rubber Industries.

### Chemical Properties:

Sr. No.	Characteristics	Test Method	Typical Value
1	Bulk Density	ASTM D1895	0.84 g/cc
2	Particle Size	ASTM B822	9-10 µm
3	PH	ASTM D1512-21 (10% Slurry)	6 to 7
4	Moisture	ASTM D 297	<1%
5	Ash Content		>50%

### Applications

- Tyre, Seals and gaskets, Hoses and tubing, Conveyor belts, Rubber Sheets, Adhesives and sealants, Rubber rollers & Moulded Goods.

### Usage

- Use **Ecolin® AF** at 50% by weight of the total carbon black content to achieve optimal performance as a partial replacement, while maintaining comparable mechanical and processing properties.

### Shelf life and Storage Conditions

- Expected Shelf life is minimum 3 year in original unopened packaging.
- Product should be stored in Air tight condition in a cool place, away from the sunlight.
- Avoid heavy stacking of the product.